

**PERENCANAAN TEMPAT PENGOLAHAN SAMPAH TERPADU (TPST) DI TPA
JATIBARANG**

Ronald Siregar, Winardi Dwi Nugraha, Sri H. Budisulistiorini

ABSTRACT

Existing management solid waste in Semarang City does not have waste processing activities with recycling concept. Open-dumping landfill system and quantity of generated solid waste still increasing worsened TPA Jatibarang condition as a final landfill site. Therefore, infrastructure and facilities is needed to support recycling operational at TPA Jatibarang. It's called TPST which contains recycling machinery such as conveyor, shredding machine, screening machine for compost and plastic palletizing machine. About 47% organic materials from waste will be composted and 12% plastics material will be processed through palletizing machine. Another material which still have economic value collected and then sells but residual material carry out to landfill site. Until 2025, 1878 m³ compost produced every day. Recycling operational process start from sortation to separate waste composition. For this purpose, all of scavenger at TPA Jatibarang will be recruited as labors.

Keyword : *TPA Jatibarang, recycling, compost, scavenger, palletizing.*